

Status of online software and areas needing work.

- CVS the online code In progress
- SSP software: CCD pedestal correction
In progress •
- PPC software: In progress •
- IRIX online tasks: In progress •
~~single~~
- Electronic logbook: To do
 - Databases: online & hardware

Volunteer welcomed

PPC software:

- Implement the BSI software used by the SSP to access modules in other crates via the cable segment. Once this code is written, it will be easy to port the diagnostics and utility programs to a system without MASTER SSP's, ie no more need for BBFC interfaces.

Porting of BBFC driver underway

- Port some of the diagnostics like *sspcheck* to run completely on the PPC for speed.

- Improvements in error detection and reporting for the main PPC online code are needed.

- Write a RESET command to replace the need for the full *cleanup*

- If PPC's are used during the spill for event readout, the whole framework of that code needs to be designed, written and tested.

- PPC code for RS TAC memory

IRIX online tasks:

- *Modify for new version of DD system*
- A new task is needed to simulate data coming from the PPC using data on disk.
- This mode allows to exercise the online software without the need to power anything upstairs.
- The data throughput can be improved with changes to *ddsocket*, the task that receives the data from the PPC's.
- Errors from various sources must be collected in one area as much as possible to make it easier for shift people to understand the source of problems.
- A new monitoring task for the CCD pedestals is needed and for the RS if that project goes ahead.
- QOD ? Should it be using a different histogramming package?
- *High voltage daemon*

OFFLINE

KOFIA 3.0 -

- packages updated and tested on IRIX and LINUX **DONE**
- RS TDC integration **In progress**
- Modify TD decoding **To Do**
- Incorporate changes in RS(21→19), BV/BVL **"**
- Beam packages into photo also **"**